

QUEENS OF THE



In answer to the airman's emergency distress signal, "Mayday, Mayday", the Albatross has grown from a speck to a queen to many a man marooned in a dinghy or on an icecap. Flown by skilled crews of the U. S. Air Force, Air Rescue Service, the U. S. Navy and Coast Guard, the Grumman Albatross can land and take off from snow and ice, as well as land and sea. Though she doesn't fit into the airman's survival kit, she's part of it.

GRUMMAN AIRCRAFT ENGINEERING CORPORATION BETHPAGE - LONG ISLAND - NEW YORK

Designers and builders also of the supersonic Tiger, Congar jet fighters, S2F sub-killers, metal boats, and Aerobilt truck bodies.



Grumman

SUNDSTRAND'S EXPANDED TEST FACILITY

SPEEDS PRODUCTION



Drive is now complete. Here, retrieves not on a 24 hour, 7-day a week, hous no specially uninterrupted life senting of the drives on navaland operation system. Hour, more equipment, more intervalentation perins depletation of a spillate approxima characteristics. Here, a result substantial to the property of the property of the proseables of me much promits sembnerous strateging dependently only and production strateging. With a counted staff of speculiated engagents and stebrotums: "who testions, peculia equipment , with mean state on accommendate sometted convictor ... Such districts for mit when CMI on an interhal streeting desirable for mit when CMI on an interhalp streeting desirable for mit when CMI on an interhalp ... CMI on an i

SUNDSTRAND AVIATIO

Dynam of Sundayand Register Test Company, EDCEFORD, ILLINOIS . Wastern Shirter Office: Marehama, California



New baggage panel is air-tight yet easily opened, strong yet flexible

Parent for Lockhodi, Stoper Grandheldin indeed for even by Baggarycompanience as the livert records of the Eurolean Six the posted Stong the companiences problems.

These puseds had no seed on an emain CAA active pupilations. We made to upon his for servicing reappearer in 3 places Brande mought or the remain 33 places Brande mought or the remain

the old Executed and form transact, they had the concumy for allow, was consistent and trends. They even pated to support the services of the constant and trends to the constant and the constan

comparisons, shows peach Issue, or sale and up.

This is one more example of lot.

F. F. Goodnab rubber returns an engagering can white the most efficienmenting pedicine. B. F. Goodnab procuts for available, the long, viring budge, bearing older, the long, viring budge, bearing older, the long, viring order, bud and all colds. Reviews, the and other unconcert Tee B. F. Goodnates.

B.F. Goodrich



Terminal ollars (Seols)



SPING AND FIRET ASSUMED



Connectors and delivers and cell springs and cell springs and cell springs are cell springs and cell springs and cell springs are cell springs and cell springs and cell springs are cell springs and cell springs and cell springs are cell springs and cell springs and cell springs are cell springs and cell springs are cell springs and cell springs are cell springs and cell springs and cell springs are cell springs are cell springs and cell springs are cell springs are cell springs and cell springs are cell springs and cell springs are cell springs

Aviation Week

Editional Officer New York 36—330 W Gled St. Phone Uniqueses 6.3000 18tgle LO 4.30050 Westergout 4: D C—Britand From Bird, Phone Middles E-3444 Los Angeles 30—1111 Wildres End, Phone Middles 6-4225

Solort W. Marin, 3 Politice
Ballet E. Bett. Editor Editor
Editor
Dark M. Solort Solort Solort Editor
Dark M. Solort Solort Solort Solort Solort
Dark Dark Solort Solort Solort
Dark Dark Solort Solort Solort
Dark Dark Solort Solort
Dark Dark Solort
Dark M. Solort
Dar

 Corp Love
 Transport
 Front Althors
 Deside & Product

 DOMESTIC NEWS BURELUS
 Admin 3
 601 Windows Holley Burel
 Houses 27
 1500 Frontwork State

 Admin 3
 501 Windows Holley Burel
 Houses 27
 1500 Frontwork State
 1500 Frontwork State

 Cocked 3
 5150 Huma Mily
 See Frontwork State
 68 Feet
 68 Feet

FORMAN NAWS SERVICE

Edian Jahn Wilderlin Serv. Gond W. Schooler
Assistativ Edits Groups Mains Messio Otte; Islan II. Kemey
Leichin Jahran V. Harring S. Jacob V. Harring
Fass Jako C. Cappok: Taley Des Korresse
Assistan Wals unright Natura Assistance to Assistance of Prince and Prince

J. G. Johnson. Domen Monger
T. B. China, Ermstran Monger. W. V. Cocken, Production Manager.
Side Egyptychider; I. C. Adelson, New Arth, H. F. Johnson, Christolia, D. P. Emoran, and J. S. Carolin, Concept and M. Lowe, H. P. Ellorina, E. L. Hotte, Ermstran C. M. Delick, William D. Larry, J. Adelson, T. Growth, E. Gargoli, W. S. Estery, Thickleby, C. S. Allerde, C. M. Rockel, W. S. Estery, Thickleby, C. S. Allerde, M. S. Stery, Thickleby, C. S. Allerde, C. M. Rockel, M. S. Stery, Thickleby, C. S. Allerde, C. M. Rockel, M. S. Stery, Thickleby, C. S. Allerde, C. M. Rockel, M. S. Stery, Thickleby, C. S. Allerde, M. S. Stery, M. S. Stery, Thickleby, C. S. Allerde, M. S. Stery, M.

Amazion wite • Politicary 31, 195 • Vol. 62, No. 5

Marchin AFF and AFC

Parameter and the defendance are a finite and the community of the co

See a control of the control of the



Many parts of Convair-Liner air frame made of Magnesium

INCREASED USE OF MAGNESIUM IN HIGH-SPEED COMMERCIAL AIRCRAFT HELPS SOLVE WEIGHT AND RIGIDITY PROBLEMS

per politi particura de l'accesso de l'acces

you can depend on DOW MAGNESIUM



Eigenstat.



FORGING TECHNICIANS-Yes, that is the compliment paid us by those acquainted with our services. In back of each design is a thorough understanding of engineering and metalluroical needs before production begins . . . assume foreigns of mexi-

men abusies properties and uniform quality THE EANDING GEAR FORGING Illustrated, nearly five feet long, is an important component for a modern military fighter ... another example of Wyman-Gordon's

technical contribution to aircraft. There is no substitute for Wuman-Gordon experience

WYMAN-GORDON

Domestic

Rest Adm. Sames S. Ressell for horn

wars have numbered the access of Col-

Sen Boucks Hickenhooses, forwer

faled to set so the closing days of the

Mechanized soorable machine for

British Oceanus Airmon Corn.'s con-John F. Widler, 12. desurer and

New Edg Floots Make Cessna 180 Amphibiaus East riov of 225 kg. Caron 150 belong alone fitted with Edu Coro's new ample

Promise Teel Co., deel Feb. 13 m. her, will not excel its orders for

Altermedian seath life list wed-

Com. Belleure N. Y. renets a no Trans-Canada Air Lines ofers to

Delta-CAS Air Lion has recited

Domas Helicontes' studbolder last Arm CKAID MK to reclubly will es note server that year with cuth

Ryone Kawastibis, founder and pres-

ANADISH WELK, School 21, 1955

A user tells how AETCO SERVICE

Fabru Grafman "Although GAR Precis-

have always had a policy of having any qualification work varified by an indenendent laboratory. After oratories is our local area, we have found that AETCO complete specification similar flero, and the realways, extremely ers. The type of work which was involved one. autai of flow recentreattre-back temperature tests: temperature shock tests, harriste, funcia We cannot praise too highly the quality of the work and cooperation re-

AIRCRAFT COMPRESS THESE FRIIDMEN COMPAN

The Aviation Week February 21, 1955

Hendina News All Adv. Alefter Bids for Child Airbit. 1 Wilson Apparent Joh Policy Group Count Veteller Uphelds RAE Frederic NAA Cons 22 Medica Country for FASF Edit XVI to Pode Converbille U.S. Grove Unger Jen Place Orders ... 48

Assessed Program Storms Televisions 12 Fishe Tork Coater State Tests Lobour Cuty Vibration at on Angle ... 56

Equipment

Whether your central eye. Your North Greedel ten is resented or proper & for this right segle take. off Designers him as hade Freder Boste Plan Sulles Sword Sentent to Portion Steller Hearings Purchasers like its low

Our Englise Development Problem.... Departments News Digest ...

900

TAKE-OFF? SPECIFY ANGLOOM



mice. Performance date-

For fall information on ANGLOVE, soul for our new Assassing Catalog.

Alleganon

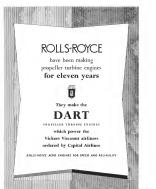
ACCESSORIES CORPORATION RICLEIBE S. M.J. AVAIDON WEEK Pringer 21, 1915





rosete costal. True radados takesfu, helian, field offered, buleaut sed





WHO'S WHERE INDUSTRY OBSERVER

In the Front Office

Bladd Dasis, their appreciated of Bittals a Assistance in Assasser Experimental Enthlement of Bassate David Bassate Colonians of Bassate David Bassate Colonians of the Assasser Bassate Colo

Mening Locate and the common of the Art Menings Lamb A, Common is new chargess of the heads of Door Co., Carloss, Call Handa E. Fondes has been elected energy and personal set of the sectors having fam.

Eften F. Stalley has moved as Door

htt. Floring, N. Y.
William E. Nickey has posted Postella Stherpter Cop., Morton, Pa. as resulted to the president. Besset G. Frall is not that superior.

Changes

Handli Mondald his token a love of horner as public relatives denotes to Borne Arpline Co., Sarrii, to dissue and note to see special standard possessis and the control of the control of the Post Adam Wilder D. Raber (Edit See). Von dale Wilder D. Raber (Edit See). See the control of the control of the loss from the control of the control loss from the control of the control of promotion. The control of the control of polytomes of promotion. In Control of the control of polytomes of promotion. In Control of the control of polytomes of promotion.

Lockhood Arment Corp., As proach De-Veniors Let Armonism Ph Englost. Union Let Armonism Let a manage of Econom A Enforch By a manage of the Let armonism Let Be promotion rated to the Armonism Let Be promotion rated or comment Let Be promotion rated or comment Let Be promotion to the control planning for the foreign to the control planning for the foreign to the foliation, Or., However, Cold. Armonism Corp. However, Cold. Armonism Corp. However, Cold. Comment of Statistics and Control Comment of Statistics and Control Armonism Comments and Control Armonism Comments and Control Armonism Comments and Control Charles E. Mania a son respect of great Charles E. Mania a son respect of great

Claime J Solver for beyone protection matter of Classificial Expension Cost Honors and Elections

Echad W. Made, peopled of Lee Joe, van odd for Applicant performance observators at the control and detailed.

nen of Ropelile Austrean Corp C. E. Enges, Republic a chief of names and the mobinismo.

AVERTON WILL Extraor 21, 1933 • Opening good of Ledbord F104 may be 200.00 wph faint then exceed out of Ar Faire Spirits. Two maids but wadde of plans beer raide more than 150 fights and more thereign and faire faire made that the 150 fights of more three-rights, 45 fisters have from the insent. Production plans probably will appear about model of 4756 Decrease whether place will be label. by Canaday, Lilly, anoth forces, or account of 150 fisher should be made by Granders government by Apr. J.

Authorized to being thought in the engineering department to handle the delign of settlers and designt seconds.

North Accretion is still possible to the second of the second of the SNORTH SECOND STILL STILL

such a referent making. Combined one of thinness after their be NAKY. Les Angeles and Gelenber, Glee, plants, constitutes a substantial classic of the country's prediction.

Primary of tectical missiles developed for the Anne has been absoluted to pild collapsoring advances in Absolute Organ. Organish designed served.

stores development, the minister were entereded before engineering elements under the unconstruction.

I dense procurement of 10 Consts T-17A, pit between Monatoni Wanz T-bit, 2, g. 13) for artificial specific pit is polarise deal. Construct cells for additional forms. O Acons (Brits and 4) in sockhous or Fight and Constant Schools forms on Fight and Constant (Constant Constant Cons

The second section of the se

POLimpia Helitoptes, Itali, Vanemus, Canela, ner spenista Id. Full Gr. and sone Stocke 5-75. one of the lugard helespie frees in the well Olimpia movials paraboni Konting Helitoptes. Idea of Tomoto Ninal Economic Laborates, executate are presponge in for a Martin bell Voltag consiste social tower the dock of the USS Norton Some is Norsepias waters, Brismis To deline topper attamphone duly about the nortices.

Defense Department derabilité content after tour reus nel reuk on a petmaintel perguétife. Company built ut neue high-specif tot écréties, veil hailst mans unaire the new contact.

Finantial Aurephot Co veil get mentance der production of the Bettemm frangel onder from the Revol. Aus illeng, which well use the plane as a reth-

Roul Au Fore ouier for Russel Betaness technology transports will be three Model 230 Like to start and sell be built at Sheer's Refere Joint. As other for pockable will be held for Quater Empire Arrans, and Britch Owners. Airway Corp. Is to the process of prolong up its option on eight 800 Like Betanesin.

Washington Roundup

Less White House Power? What Hasse "sepoleogoe" is good policial fore-tions and complained that the 1995 CAA Act moles

Revolve between Secretary of Commerce Studies Works

Different Kinds of Trouble

Pentaron officials are concerned over reports opposing Fall-Out and Dispersion The Hunter is engogatewise its weldow at Much 9 programmed such U.S. deflers, but attracted ballet

Hiding Behind 'Security'

difficult to decognish the changes Thomas made for

Weeks Versus Willis

Missile Report

Bright Feeder Outlook Common names on to outblish a speed noved as

AVIATION WEEK

Agriel Logistics Plan Tobes Bla Sten

By G. J. McAllister

USAF Asks Airline Bids for Global Airlift

· Thirty scheduled and nonscheduled carriers compete

for roles in network to overseas and Alaskan depots. . Length of commercial transport operations is indefinite; One Air Force faction seeking purely military system.

Francesco, of Birket has not been MATS to Direct-Approximately 1 Enrice with a bear tred first by Planning Pay Off-The certain will he sharped on lubbrought deller, to-

voked are Ottoberes City (Tiekes AFRI. Okla. Six Removino (Norma * Wight Patteres will appear over Lold AFR Alone and Thele As Res.

ANIATYSIS WEEK, Relevant 25, 1955

Air Logistics Acceton Work connects a doubleborded college greet in USM's expending or legisles series in the none G J. Mckillater reports from # Olithams Oby AMA will report supply at fading resulted such by se-

• Sm. Remedice AMA will report

capate on be delivered dentity to a oil arkit for capaci demonstrals for Fluids returning from oreness here: U. S. depots to the three AMAs in the The descript water collect Lorus Mouse En albeit awarder across

USAT you is beddesn a fleet of ten

Alaska Airlift Slashes Supply Costs By Charle Witer on preto at all tenos, a tetal of 130

Elegendorf AFR Alades-1755ED Alakan As Consumd has so the nest with proposed and paper to Superior for Electrical sear Ag-

win chief Iss 1, BOTC stature here of a 120-her much, of \$75 roother rent, it is estimated, the seven-

The Abskin Air Coumand's ages

"Legisto "15 Cencept" (Autonomous Dec 27, 1954, p. 170 Types) in the Allicon 153-34 merce and in the 90 days—in depot storage and +1 many GEN, ACRESON: Faster said physics.

cflort started when he assumed com-

is become most benefits with organ- head, USAP's Air Material Concerned,

PSurface Transport Savag-Report

tile sate account the sames in her-By Investor of 1916. Col. Auditoria

which they are substial to Almie. They sto fifth dock to recove that fellow doasted as Newbern's office, where at an Supplemental Subsidy Cut to \$15 2-Million 2555 rading suboth presents—517.5

 A studed notes of these ortigs set at 6,730, 18,900, 15,000 and 21,see to CAB, an Last December's do

Aircraft Tachino Diamete Wilson Appoints Jet Policy Group

· Mesotrors obsect to corrective...

ton the common \$11 milion in a specificacy of only one capus set of Allian Division of General Motors Olympus Altitude Tests

Bristel Obvenes nubouts, him-

ANALTICH WEEK, Princery 21, 1955



Comet Verdict Upholds RAE Findings

to other steen raisen, the leading in them as a possible cause stand many completely

Return Comets Rand Condon Av Fact's tan de arts Ma of a recover rates he man bilde The two planes cost RCAF 51 mil-. Georgeter that account collins will * Determine steen detections and

PCine Bill-De Hudhad currery

hely started the stees at is taking to

*ARB Views-During the houser, See Lated Heild, appropring H. M. Ar.

to tables some of the procedures or cales took tests of fatour nebtures, seen The volte of fully entrangated

woman' to ARS become, in offert, by on ARB problems Load Cubes for count set ARB to recommend the point

NAA Gets 85-Million Contract for F-86F

Sobre set fighters for Motord Defense Other Ast Material Commond cos General Electric Co., Concession.

ANATION WIRE FORms 20, 1955

Northwe Assort, Inc. Asshows Cold, photographic window pones



Bell XV-3 to Probe Convertibility

P. Wietl-Bell Assent: Corp.s.

flow faces the large lifting area produc-

a Use rightime methods of coloristons

Spease to Take Over Bregnet

Societa Nationale de Coustraction Asso-Mr with the production of the "Den wook problem of French extent produc-Feats" 763, new flows by An France walls the name "Frances" Pendon

It has been reported, although nover

The 'Deen Park," a fee report valual arrests resolved fell from 680

scatter steems a small flow-like surface. Heart One of four plants on the most of bland flows suchods. Again evaluat at Floret in the Navy's 1981.

Exhibition of the XV-5 followed a Until 6 is given a celebrar designa-

Bell Helicopter Design Wins Stiff Competition

ser, found as borner should desert treethe fact that mother of France's other

get college it reductive only of the from 3,000 to 5,000 ft. The \$1.15 of military planes to India and in Latin

Additional economy feature orginals

abley coeter connection, stretcd a negative of Bell's adeation was

Model 212-The believeter will have must for a believeter of this true

Puzzle for Fuel Booster Pump Experts:



THE VAPOR SEPARATOR

Thre is a cutoway of Bedro-Alm's HY-V/L* Paul Booster Passes * It recovers immediately, even after a recovertary covers fadare * It works equally well with different types of fuel...or even with # Most insportant: The HT-V/L* has donors predefiablety. That

Yes, the most starting feature of Blygre-Alec's HY-V/L" Fuel



Wyaper-Hould ratio





Primary Structures Prove Quality, Dependability of Resistance Welding Production Casts Cut 60% on Typical Application

Scooler Boxx. Dry., 4935 West 47th Street, Philosop 56, 85aut.

Count Manufacturer of Electric Freedom: Widden Mackets or the World



Link to Build New Pilot Trainer The East, and will complete the buy

Flight Safety, Joe , sudependent trans

Fight Tomastar'-The new tourse. Safety Delines is expected by latter

Civil Plane Shipments Increase 21% Stepnenty of cycles second in November presented 20th ever Orbides as mass

Unified order for and places weighing 3,000 fit or more assessment to 234 at

ADAMS-RITE



Trust and other manhors have been Posse and once quarries have been

American S.Y.

Total of accord engines and perty

bosses. A.N. court. VOB. ILS. GCA - located inesedately behind the cochait.

Coul, Military News-Associate Into address to their facilities, the

Thron TWA Officials

Sell 4.100 Shares Disposal of 4,100 common sheets of

Ages Suggly 100g do Disposed of 3,450 countries Statute by Lee Strates dispose dispose

ARREST WITH, February 25, 1955



























JUST OUT - 1954-55 edition of Jane's All the World's AIRCRAFT!



Print and the second of the second C.A. Crayes The style of the control of the control

10 DAYS' FREE EXAMINATION

not, every and director, making in lead building of \$1.50

of Laft!

Billiand Ariation Gury Amplication of
100 common shares by Products P Noble-con affect, making a total bridge of 111, acquestion of 200 seatmen shares by Nos-garle B Thinket office; making a total book-ley.

Fig. Alving the Acceptance of the common state of the common and t



AVERTON WINE Pringer 21 1801



THIS VERSATILE UNIT CAN BE MODIFIED TO MEET VOUR SPECIAL NEEDS BY

he moddled to meet users' special needs

Preenleat ...

PREPARADORE - DESTRUMENT - IMPORTATION eenleat MANUFACTURING COMPANY 7814 Mooleward Industrial Court - Sens Louis 17. Missouri



Bally Alexandr Step (Hearts) of LHI restore theore by J. E. Thelia, officer his restor topying a nobel height of \$1.00





SINCE THEY, EMPLOYING OF MICH, LINCOUST ASSESSMENT AND ADDRESS THE PROPERTY.



Lord Hives Visits U.S. Lord H S Hver, Eath-Rever executive solt bolton. Here Wheley C. Collen,

(Aradim West Oct. 11, 1995, p. 171. ARRATION WEIK, Private 21, 1955



ROLLER BEARINGS

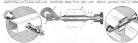
PRODUCTION ENGINEERING



Convoir Experience Shows How . . .

Automatic Riveting Shaves Tolerances

Richard talescore will be about a chap built around actionate and some to the expension role at will ober to



SEWEN CLAMP DEPARTS (a) never received. (b) most effectivent to extract, (d) modernor, (d) dozen, (f) back, (d) tie and ANIATION WITH February 21, 1985

sletting, spotwelding, turning, top. 15,000 marshous and a santilling on new fields for production-machinery

bles had allowable plot or event toles. . Had the process been available as used of 0.002 as commanble \$50. the time of 3-36 tooking up, he cots tolerance must be held to plus or mores







AVIATION WEIS February 21, 1922

· Our phloro two 115 ft serious scrabbes, ethics profit horsental

nor Reveal they me too Chappe



ecseller. rupped, rehibble.

Period sharried lecturers on All Comits Academ 2 5 V C marion meters

Save 3/3 of your Wire Twisting Costs

WIRE TWISTERS

Typesdifficeal grantment Write Bods, betweends and let of turn BALFH C ROSENSON CO, Nor 404C, Barth Stera-postio 13, Crist How Automated Riveting Saves Time

Looking detail parts sets foliase Revision webs, elifferent to should

proble to conventional products. But duability and rearthly ranker its

* Wart Carrier Deary-To move for

THRUST & DRAG

ANATON WHE Disease It 1995

setting new standards for transparent enclosures

First used to 1952 for windows of the Douelse

balley 1-0 December A.53

Content Dominior Osciolate & Florin, Srf., 180 Quar's Quey at Aprel Street, Pressin, Streets, Carette.

the traditional clurry, formulative and weather,





FLUOROFLEX®T R-3800 hose assemblies withstand

all other oils, fuels and propellents, too! Sufferige no cheure in doublility even down to

mindigrances ... offer better fringes strength and one sause to haited they redd or otherstal designed Millings assure Mewces-proof conser-tions. Rulletin FH-8 gross date:



FLUOROFLEX-Tunkin a difference or Second Section Street FLUOROPLEA-1 make a deliverer in Javan noccup may professioned and Tripicial produces influent like learning of Prince for 5 until y are these spiral stage. When booking the O' man sized Prince/CCT self-relivable regar more, against procedures are with maximum unesting We All monodrating experience by Prince/Sec 7 periodra not under a 450% or Mark Control and Impro-Pansarias 7 periodra not under a 450% or Mark Control and Impro-

RESISTOFLEX Belleville 2, New Jorsey Western Dr. Barbenk, Cold IAS Summaries

Approximately 80 papers were per-

Aeroelasticity ►The Divergence of Supernovic Wings leeleding Chardware Rending --Minester A.

selepted sachating the confinent asperts The Dennie Revenue of a Large Au-

The medical and special or terbologic

The Dears and Turing of Super The base publics of factor telfan to

KAISER METAL PRODUCTS. INC.



STAINLESS STEEL PARRICATIONS



copie of recytain flow parameters reflect them could parameter to prospecte factor. The could parameter to prospecte factor. The could parameter to prospect factor that the could be compared to the Parish residence in a posture.

**Parish reprint to the Parish Technon in Death Haden No. Rest. Assoc. Parish. Assoc. Death Haden No. Rest. Assoc. Parish. Assoc. Bell. Co. Res. Assoc. Bell. Sci. No. Notes De. Death No. Res. Notes De. Death No. Death Notes De. Death No.

and the size of the late of th

remail lift care slaps, r.e., for st paper, the derivation is extended demails. It is supposed that price may be a first step fewarfs as theory of still fields:

Aerodynamics

* Ae Agentuari Method of Gitalizing
Theo-Kinnessoul Compressive Time is
And Tarbenscheen - IJ County Cel D.
Bebruset, UN, Se Tope, Come B.
Payle Tee Dee, and W. Damon Ramin,
Anne. Full. Mechanical Energ. Deet.

CIT to be a beneficial from the control of the cont

figed by the east flow stigle, and to the soluence of directations blaendpin is made conditions; the BOUGLAS AAD IKTHAWK
Reduces
Reduces
OXYGEN REGULATOR

6. This owe Statillered constant Organ Rapilmer system strong (fallows pin to the Dengths ACS Systems). The "Style bank" halfful is need for high-reight fighter seconds. This reputs half also also got an official contain by the ratio for internatival to the pinch second point of the resource of the





CROSLEY GOVERNMENT PRODUCTS DIVISION





It A Marked for Productor Lift Effective

NATION, WIDE SAIFS and SERVICE

ommander

A complete list of enhanced below for the complete and of 15-C655, hears at the confidence of 15-C655, hears at the confidence of 15-C655, hears at the confidence of ordinary labellers in the confidence of ordinary labellers in the confidence of ordinary labellers in the confidence of the confidence

THE 20 SECTION . ARCAN AND REGULARDING PRODUCTOR PARTS . CARRY DESCRIPTION

CLD Pleabed jet engine blades



for jet engine parts

When you want measure strength with migration would—specify STOCKWATTER POSTED STEEL BENCH They are welden









work for new girmoft personals SERVE AMERICAN AVAILABLE for 4700 Eres Paris Avenue Culombus, Olik-

SYSTEMS ENGINEER

Consisted, Fluidiyor Engay, Corp. Methods for extracting the Mr. effective spensor excut of the costsol.

A done that promotion he been

Structures P. Dalace Method in Spectrial Steel

As a result, the released problem of the

Stability & Control P. Fleite Revent Differer Verido, Str.

bloty August.-W. O. Browkers, Aust. Dept. Hook, Finite Rosseth Dept., Comell Asso. been such that the static and dynamic stability characteristics of the arginus

controls, while rented under defections AYLKTIGH WEEK, February 21, 1821

SIMULATORS for the world's leading airlines PAN AMERICAN crews will fly DC-7C's before they are delivered,

using electronic SIMULATORS



ON THE U.S. AM FOOD brandwin Corner Separtunities

CURTISS, WRIGHT DEHMEL TRAINING FOUIPMENT LICENSED LINDER BASIC PATENTS OF R C DEHMEL & CURTISS-WRIGHT CANADIAN LICENSEE: CANADIAN AVIATION FLECTRONICS LTD. MONTREAL BRITISH LICENSEE: REDIFON LIMITED, LONDON

TAKE A CLOSER LOOK AT ALUMINUM FORGINGS

More and more manufacturers are finding that about

with a state character former, thus altes mently re-

A Kolser Aluminum ang beas, skilled in dis end ferping design, will be pled to halo you of no obligation.

tion, contact say Knear Alexanum sales office lated in Chicago 11, Dinous: Executive Office, Kwiser Bldg.

Kaiser Aluminum setting the passer is assertly, explice and service

Better service for users of forgings

phie of characters in many from The approaches of the

staff of experienced sugment. These ones are hable

Quelity central--Trained inhoratory techniques, using

due to the olici were obtained by named. He shows which of laws wandow of an Meteorology which oldes develops at an electron of

Aircraft Design

Pile Prombler Prepar of the An

Dogno which is despeed to smooty the studies; it shows the dominates get P-Asout Dosps sel Monce Competi-Inter-Findenck M. Gloride, Technical

The paper present an emigro of hypothetical and simplified religion sets. effectiveness of a college rather and branchiston the surregulater to snow action on an

► The Lew Level Job Phenomenon -A. X. Similado, Vantice Prof., Days, of Metro-



Pick-A-Back Copter Starts Tests

conver it wake back train on ten of a way featible, and print with abler to



transfer



American's ferrous F-66H Sobre Jirl This heet exchanger, which is for the transfer of heat from air-tw-six, coupleys the plans and different descen festions

> Stoinless Steel or Aluminum to meet your specific design needs!

cough with you. Write South Wind Division.

PERFECAS SAMERATORS



PRODUCTION BRIEFING

► Accordance Development Corp., Los

Displace suggestions reached new screen at Books Arplant Co. Int your Avails of \$121,000 was made on

*Southunt Aggetive Co., Dellin,



Through sound production skyled engineering and right

for Assessed a selected Internative Steel rather marks.



Navy Jam Blamed On Engine Delays

Majasters-Stoting that put problems By June 1952, two years ofter that

whiled Table resideded reduction that dartine celes for acception of non-

nor were receptable as sentilable rates

U.S. Group Urges Ian Plane Orders



Muffler Doors Used in 'Project Hush'

muffers with recordered down. Endowers the endower to get the same robe reading at such of dual covered with middless after the down one closed. Durings we that type that there production provide which is control with person cloth. So top 100 ft. and 15 ft immediately

achieved by suchelog the giant expect view shows how clear they must appen to

A 1875 nous relation at Niethern Nie - richer, Northern round expenses more

AVERTICAL WRITE, Pulsance 25, 1955

J-M Clipper Seals fly with the Sikorsky HO5S helicopter...







englisher on urba much arallian accidions.

... seal ail in, keep abrasives out, at critical locations

To sectio the behvictors wind to its complex rosor and gent systems . . . and to protect bearings against the refiltration of abrasiyes . . . the new Sikoraky HOSS belicopear depends on Change Sunty and Barthle-modified of exected community show have a rough, deese heel and a salt feathle hp concrementally molded mos one perce.

Clean Sank reduce friction - A specially designed parties special

made non-comitive as therefore conflored by electroless and Change Sorte one supposite... They can be formalised as financials.

derives not multiple and various to compounds neously





For split-second timing, Time Magazine picks United Air Lines' dependable Air Freight

do you know how dependebly to u. Here's what the scalle. manager of Titel Magazine sees about United Agr Freight-

So whatever year shipping problems . . . saving tone ogan count special. Also write for Unated's per booklet. "Industry's Flyong Person," Corps Sales, Dept. 1-1. 5699 S. Green Avv., Change 38, Illinois.

More than 254 linited Blobts daily ... Air Carro on every one



for a total bedant of about SS7 willims Suber and \$5 million for the et tave

The \$26 erdion belongs to be seet

►Dies Debate—The operation of

Flaw-Cost Production-Cite of the ni

ANIATON WEEK Friedry 21, 1955

DRIFFO HYDRAULICS INC. - N. Y. INTERNATIONAL AUDPORT - JAMAICA 20, NEW YORK SEER MINISTERING OFFICE AT THE COMPANY SHOWS A SEE COMPANY AND SHOW A SEE COMPANY OF THE SEE OF THE SEE COMPANY OF THE SEE OF THE SE



at Green!





that, pared the stops then been five opposed have provided in the latest Service to the standard of the Gold

Every overhaul requirement for your business airplane!



Make this coupon



your ticket to LOCKHEED and the Sunny South if you are a Flight Test Engineer (Analyst)

it you are a Flight Test Elighteet (Alialyst)



Lockheed Hercules (C130) Turbo-Prop Corgo Plone Serier Flight Test Engineer (Analyst) of development. Come with as a

Right Text Engineer (Analyst)
A E or M.E. Gegete with 3 years engomened in a mager attract onceptor, as a flight less data analyse or stroty; as a content of the first with power place or attracts performed in the first with power place or attracts performed in the part of the sale is to see surp-results, alternotyperior and imprisonant all abovy in the part of th

Also other interesting openings in

RAWINGS CHECKES * ARRODITANAUCISTS
STRESS = DESIGN * STRICTURES
BRYICE MANUALS * PRODUCTION DESIGN
DYNAMICS * BESEARCH * LIAISON
THEEMO DYNAMICISTS

Join is the divelopment of the staff of Flight Tex Enparer Analysis. This staff will strabbill flight tool requirements, analysis and exablest steels. Then gashe recommendation is the comment Leckhood program.

MAIL THE COUPON NOW!









FLY SAFELY





prepored in

CIPPUS -- Lane Assumed programs (about) adopted the





Best Pair to Get You There









Creative Engineering

OF SLECTRO-MECHANICAL ASSEMBLIES . . . FROM "PILOT STAGE" TO PRODUCTION EFFICIENCY

Here's how Atlan helps you develop near You bring your designs to us Atlen gineen loves the job using new costfentions. Atlan metallumical and elso-



LETTERS

Allison Turboprop

Flight Recorder Four years ago the water rested the

Slopeline Lights

Need for IFR Control

of the vehicle and eith colour a

Radar Test Sets

ANNATURE WEST Princers 21, 1965

AVIONICS





Isolator Damps Vibration at Any Angle

By Philip Klee

of the detect's baggest adventages • Low transmissibility at measures

 Nelt-spek loaker, resident from ►Directed action With the Old-District Ing 15, 7951, n. 571

nobiles mount monufactures, co-

dir conditions encountered in the ► Revision Norded-Fac systems

ANATION WEEK, Printers 21, 1993





NEW SERVICE STARTS—Hostoms of five incluse—United, percentage roots after eight years of scheduled wall oper-Western, Pen American, Accepted and TWA-west a situat First passenger corrier abstract. Long Executive Long Executive Long Executive Long Executive Long Executive Linear Extensional Amount, with allowable 5-55s.

AROUND THE WORLD WITH SIKORSKY HELICOPTERS



All were flown to Canada from Schmike's plant





SELECTIONS, COMMERCIOUS

Truscon builds this "Door



REPUBLIC STEEL

Worlds Wishet Ruspe of Standard, Stada and Stal Products

within a Door" to help you service the biggest ships

Giant Truscan Steel Hangar Doors Clase Snugly Around Fuselages

pairs of jerre Traveco Smight Sjale Dones i stan stogly awand funktigger of the high pairs. Crasse done repeats and ingregions social privite above efficient maintances week is any weather, with the full smeathly would the hingue. Casses door sencour can be deaggod to fit any per own foot sencour can be deaggod to fit any type or sure decologic-Rosse-robber inser allows for help's suranceou. Twis shifting provide door when no besinger is on the openany. This "Your weather a door" powedus a range past without dranger to design or and surently draught Slittle.

high Pally open, a clear space 350 to 650 feet and more, at width, in possible. Tracoon minors hangar doces to fit every need, every see opening. All no products of county theory years' specializing operations to legal-specie clear, not clearance space. Since coupon fee details and specifications decepting. Tracoon Stratable Shife Swell Hangar Dasers



see the bit. Selv. Those line Sectional Pines Arch Rips is being involved of Conditional Catadore August. Timpers is on viery are. Corpor and analysis and soon help in reals not learn time or only harmon makened or in press displayed for cooperation of provinces or pressure in analysis of cooperations. see new waaren Da Ano, skeeding herbig out is over of other dreet. Erech like this help solden be broad or the first state, without conveys of \$20 may her brown proof to \$20 may her brown proof to extra their state which, financially, word's languar prosident of their state of herbig out of states, financially, word's languar prosident of states, and states, their states of their states, their states of their states, "Appling matter shift with subtions for their states, and their states, "Appling matter shift subleving lands proport the sight."









Pow.
Address.
City. Zone State Visi



P Resk With the Pag-Race's decision. CHART TABLE down midden effects on horizontally spounded includes they away right. to depart from the Mil. spec require

with different docress of domains for

freed to me cubes of what our independent puripostal and vertical inputs

space vibration but engineer of

The new Barry mount system to

theeth flory has not set established

AVENTION WITH Friday 21, 1955



SAFFTY FIRST ... LAST and ALWAYS thanks to modern catapults and arresting gear

nothing for granted. On narries both new Penerful catepults give heavy ends a







SHEET BY SHANKES or discover on homographity of new popular shown above, if you they can be used now the bill

AIRPOWER in the AGE OF PERIL

"Inventory of Airpower" Edition

will cover vital aviation subjects on alobal scale

AVIATION WERE'S 22nd ANNUAL "INVENTORY OF ARPOWER" EDITION - "Airpower as the Age of Peril" - covering every phase of U.S. civil and military aviation, and providing the latest information on feerign arrower, will be published March 14, 1955. Featuring the complete story of the transition from the Korean crisis builday to the solid industrial and nirpower base necessary to meet the requirements of U.S. Policy over the long pull, this important issue will hold significant and lasting interest throughout the eviation world.

Annibon management men, consecut, military and processes; officials will read, pater to and depend upon "Airpower in the Air of Peril" Orde in the Sederal available harberts, only represented and factorbee reculations . . . exceed rules that will made Air Force and New robey in doing business with the switze industry over the seal two years, as well as

Beforeace tables especially designed for "Averaged in the Ace of Peril" will give new revised apportionnous on U.S. and foreign aircraft, resoiles, and northers. Special percent will owner the remarkers of weeks and international sixtings from puters to got tathon powered equipment (includes fell environment the expending role of professors and composing paoafacturers in the weapons system development and SYSTEM. The statebase of visits needed solution. information will be used constantly whenever another

tarce as an adversion medium. Awaken companyo and their suppliers will find the long-fution selling power of this agnificant AVIATION WEEK propi

AVIATION

WFFK AMERIAN-HILL PHRAIGES

McGraw-HIE Publisher Commune, Inc., 222 Mart 62ml Street, Henry York 24, 16, Ye Har Streets Say History & Roy, 101 Mart 12ml Name Wit Boston 14, Mars, 31 Pet Serv Str. Others 11, IL, IS S Saline in Cornland 15, 68to, 155 Name Str. Bullet 1, Towns Co.

natural first Sty. Detroit 26, Mich., St. horboot Sty. Landau E. C. 4, England, 51 Society Steel See Augustes 47, Calif., 121 William Styl. Pinnisonal 23, Pa., 191 titue 101, Philadelphia 3, Pa., 174 and Laure Drein, San Francisco A, Galler, M for time St. Laute S. Man, Contract Str.





Ever try flying without vibration control?

con economic powers

vibration cases, effects and equippl

BRIE, PENNSYLVANIA DESIGNARS AND PRODUCTES OF FORDED SURRES PRODUCTS.



Find Range-Second of the new



Powerful Midget Linksweets leave retrator, bull as boyy as

Sold FLOW METERS-THE MORE ACCURATE WAY TO MEASURE solition flower transpositions of

> · Districts for man proper four measurement in accomplish research have become The reserve Potter Flow Sensing Element is inherciply linear, has a high response broubs about Potter Flow Meters for varies and proteins testion, burrousin research

Bosin 72 . Delec, New Jersey . Phone Miledesk 6-2012



The modern intrangues "Aero Communies 560," manufactured by Aéro

"The Atro Design & Engenessing Company specifies Kliston Cocosi Streakers

Performance records as all trees of shows sever Klassa Errobers are suc-

They washened shocks and vibration for an excess of the values accountly

will be excountered. The latter cou-Fis Profection-Larry cannelly is in

Chonce Vought Aronft, which is cral-

Sylvania Plans Center For Data Processing Schroug Eleptor has announced ober-

Other prieries redustry expressors

· Rodio Com of America's new mo-ANIATION WELK, February 21, 1955



Smooth Performance!

Trans-Canada's New Victors Viscounts Rely on Paritron Fuel Gaging Systems

> Fuel Gage for the tiret Turboprop Airliner to go into service in North America

Simmonds Armonspries, Inc Frond Street Standard, N. E. . Street Oliver Should, Cold. . Stales, Soc. 4. September 4 Webs, Soc. 4. September 4

. General Electric has formally opened onetics for its Heavy Military Elec-

Avionics' Firms Tell of New Components



. High-coltars assist sectifiers, relea-

From Wyandotte . . . answers to modification & maintenance problems



North Pierr (above) on the Debted River is part of Wagadette's you

	YOUR PROMISE	ANDVILL	040087704
1	Stena doorley	Afress*	Cyc sode formation, conveys oil types of sell- from explain schedule, dealer, england
1	Emploin cheering	1.0964	Most USAF Specification 2001 E and Mil- (2192 Grad Will had choss photos
1	Corton summing	P.1875	Hostermalis, removaire addition of the removal for pil and polon organization.
4	triagned had been described	3797	A "unrated" described for removing oil types of smiling compounds Hernforeschie.
8	Beautiful Industrial chain	530	Sensors military subject throug prevents common in school derived arrest
ŧ	Noting contraction	Aprenta (899)	An asselled ambles deeme for regular co- coll accessores
1	Point named ag	Spreaso	Arrest publicanorer Near Specificates APIATR C.
ı	English and safetylensons	ti-tes*	As all-odd/in decret for freezing did, all and greeze flow concrete surfaces.
2	Mushing-modes drowing	167	A special low features, nor shilling interlease channel Morth Specification MO-C 5549
10	Alphinos Intelligening	Alekson"	Engineer for anisons should sertical Cents and brighters in a page operation
11	Flore electrical best-dipl	Entet	An of purpose four obserbatty makes focu- atologically with at lewest served.

MAIL COUPON TODAY FOR FULL DATA





TRU-LAY Cables

Products the Aircraft Industry depends on... and strand and mound becomes for . Her greatest regutance to bending

Try-Lot sweged fittings

. Provided to shows type, bull-type.

· "Orreiter," - specially developed

Tru-Lay cable. a Can be not without women

. Je free of tendency to natate-runs.

true oversheares or pulleys - in center without the use of Souls.

Wester Control of they for your Residence Automotive and Aircraft Division

AMERICAN CHAIN & CARLE 254 St. Owner St., Let Angeles 22 . Bridgeport 2, Cour.

· Minesteer volcacelle, some veinbeur as hitte in 11 on, are avelable from

FILTER CENTER

Novel Microwave Amplater-Scale . Generated to hold to the rested



The most complete line of AIRCRAFT INVERTERS



Budding, investees for regular and spettil assized seeds at one of Bereilt 20d Budde spettiles. Thus, we ofter the widest range of standard investees the state range of standard investees, including supposed sectors, in fedaling models up no 1900. Yet and all kends of speculopurposes investees, reinducting models up no 1900. Yet and models for high seeperstance, Rub aktued speculoses. For complete density not investees in ous eyes one consistent and not investees in ous eyes one consistent and on investees in ous eyes one conception. No. 2, and these harmons, however, No. 3.

				 UTP		_
 orei		EFFET		 tern	-	200

2006 E.S. Sead of they almost a sometheless of O.S. with and all million is \$200 E.C. Sead of they almost a sometheless of O.S. with the all million is possible from Oliv III with load are provinced by control of O.S. with in Associations of Species Propose Section Makes.



feeted from step to stay in synchronian
with the species 8-eyels note:

New Transiero: Chopper-A stuffe
type of chooses for convertises die sie.

mile be a.c., wheth one transition, one be operated it françaseous up to have done it shifter the server with contrastly that surprised the server of the se

P-PGANE Sentions Scheduled-IRE's Fordinsend Group on Arennament and Neughboral Extension has inherited than inflated sensers during the natural schedules of the sense of the Citure of the Walder-Schedule of the Citure of the Walder-Schedule of the Citure State of the poles shade for Armon, Santo of the poles shade for Armon, Santo of the poles shade for Armon, Santo Hamiltonia Theory Approach Toward Tip Design of Arcenth Lanna-Downed Tip Design of Arcenth Lanna-

need Largon.

Venntly of Photed Type Rate Laterative Gyres in Systems Applications

*High Printing Computer for Autonatio Solvino of the Calastia Vidagle.

*Jettee A High Printing Lightweight Account Neckstein Computer Systems.

►ULL Irelanus Rober-Berder Rutio and Raido Cope of America are assisted enough control of United Art Lines' colubrate of the reporter Channel Horse working results of United Art Lines' colubrate with discourse which dama packets a will determine which dama packets as will determine which dama packets as will determine a read of the packets of th

PTIMESTAL PROPERTY Standarddescribe. Tene Products has asmonocod a new transparend deportry standard, specified proc. 23-15 v. day, or the processing the processing as a cell-based contract of a consultant of the processing of the processing processing the production of the processing protes of the processing processing processing protes of the processing processing processing processing processing protes of the processing property processing proces





HIGHER PAYLOADS and HIGHER PERFORMANCE

This compact, ingroving in factor polymerates, resignors, this U.S. Air Review on the IEEE DESCRIPTION TO Exclusive polymerates has been acceptably high tested on the Bounder, PAIN and home the NASA ASI, which was continued in Reprinted on Barring's BLOW Ensurant during 1954, hore powed the precision opplication of rechel govern to pilored alerant.











Attentic in light places," save Mr.

the pumpe that dispense it are correspond with advanced Migrorate

The all weed was Gulf Aircraft Engine Od-Series R, which buth operating temperatures. This top-quality, straight rainend off is used embusively in all Piper about on leaving



AVIATION PRODUCTS GULE OIL CORPORATION . GULE RETINING COMPANY GENERAL OFFICES, PITTSBURGH, PA.



Capital Busy Getting Set for Viscounts

One-Type Fleet?

By George L. Christian Engine facilities Consultre facilities a Bedy state. Control is studying the pieten enguse become of bolt of open

The DC-6-CAP, with 25 of this *Tool publish. The siding it up and manatening the plane. So the And the Constitution, of which the

Offsetsing this switch capital outline An execute builder subole set take

a vallory) is also at entirely affect by the



. No contact of the oil with products

of od the and propelly importers.

sperocable change even after continu. One your under debug at Caustal

h France Boden F. Codes Sent

values to done of and posts close to

solubiles of washinding a slight be-(0.091) between tree and nucleon-forevery revolution of the accoeffer, the

condendon by CAP services if a suffs as Industrials: If the latter

PDet Test Gell-As mistor \$2000

BMILP man obviously count be used.



AYLATIGN WITH, February 21, 1922



Boeing's let tronsport is off to a good stort

In addition, is the sensed since





Cost Saving

15,000 different types and some of UNE SUPPORT CLPS, LINE SUPPORT SUCCESS and HARMING STRAPS for actions, vibration-less assured in support, marine

more Study country is peak and any racing at passance - solary -

- EXCEPTIONAL OPPORTUNITIES FOR HYDRAULIC & ELECTRONIC **FNGINFFRS**

TERROCAL DALES ENGINEERS

RESEASES AND DEVELOPMENT Expensional Infrastruy commonstrated

VICKERS Incorporated

If you must see of these modifications have in the

emble enolog-approximately 1 g

cooling water at these flow rates is to the nater according to Chogol Two

* Bellat Bady Foreignment, Although

Searce the Marcone ADF is a com-

P.Surval Satema, "Savual notems"

power gains, with negligible addition of weatht

BONUS THRUST: NO PENALTIES



The addition of some threat to very sit engines with a comlaboration between Jametrol and gas reclean manufacturers





SUBSECT COMMISSION CORPORATION



of Direction Instrument. American Gyro composition and

course systems are constanding in a first domanding per-

cisan security and recorders. Departure Instrument to DAYSTROM INSTRUMENT, Autout, To the full-firm (47 deg.) posesso if the first one follower. When the other

. Water and tauger. Each engure in II, on talout, the encine maches a . Other systems. Capital sees at sy the has the sole duty of safeting rabber

crystals faring cold weather operations.

Managed Warrhouse - Correct

CAP estimates that so absort all

ANIATION WEEK, February 21, 1895





it is the few authorse weather radic to

BCA is proved to offer the AVQ 10 at a

LIGHTER Both mechanically and stachestoolly, the standard of designed for AVO 10 mayor.

A new damps with purplical riming.







fighting craft into the tar in a harry—to supply "Mooth-bard ecolomics" for defecting the knock-out punch— comes from the example adoptance.







CHANDLER-EVANS WIST HASTFORD 1. CONN., U.S.A.

AT ENGINE FUEL CONTROLS . AFTERSUNER CONTROLS . MUST . SECURE THIS . PROTECTIONS





AVIATION CALENDAR

- dage, Tarry From Chies Part, Son
- Nw 15-Institute of the Assessment Sci
- Mar 39-23-Ann. Medical Assa., 25th an goal receive, Hotel Staffer, Washington.
- Apr. 57-Bade Technical Countries for
- - AVENTION WILL Edward II, 1988





we developme for available-speaked by no remose weakeyer in experience and publishes weakeyer in experience and publishes weakeyer in experience and publishes are supported by the context and publishes between the delicity of the context and publishes between the delicity of the context and publishes between the context of the context publishes for most been coulded. By the weight, or costs place for externors of procuss, compositions of the context of the context of the context publishes are context publishes and context of the context publishes are context publishes. The context publishes are context publishes are context publishes are context publishes. The context publishes are context publishes are context publishes are context publishes. The context publishes are context publishes are context publishes. The context publishes are context publishes are context publishes. The context publishes are context publishes are context publishes. The context publishes are context publishes are context publishes. The context publishes are context publishes are context publishes are context publishes. The context publishes are context publishes are context publishes. The context publishes are context publishes are context publishes. The context publishes are context publishes are context publishes. The concent publishes are context publishes are context publishes. The concent publishes are context publishes are context publishes. The concent publishes are context publishes are context publishes. The concent publishes are concent publishes are concent publishes are concent publishes. The concent publishes are concent publishes are concent publishes are concent publishes. The concent publishes are concent publishes are concent publishes are concent publishes. The concent publishes are concent publis

PARTIEL METAL HOSE

NEW AVIATION PRODUCTS



smaxaros user in amo m mit Skylnick Oxygen Regulator Weighs Only 16 nz.

one of the weight and quest-some field form of the new Dougles AGD Stybers of the new Dougles AGD Stytumed or Laborate to the contract of the contract of the contract of the contract quest, seen to attached describy to the pilets studend A11 cogens area. The Scott Presult engagement weight to a common of the the 4th of the country of the contract of the contract of the country of the contract of the contract of the country of the contract of the contract of the manufactures of the contract of t



CAA Okays Light Flasher
For Private Aircraft
Front place operation as one get
a menglata high fasher that a senigseries on secret florand admiry hissites of secret florand admiry hisstraint places and believelyin, following
appeals of the deeper by Cell Aircraft
population of the deeper by Cell Aircraft
The Binki, to being resided as
tissided experient on Council new
tissided at the Air reviewing temper.

enter E-ests feature puts the lights rists AVIATION WEEK, February 21, 1922 

Light-Duty Nibbler Cuts 18-Gare Stainless Steel

one of all hybrid of standard and a to 11 page, adults into head of the internal and the internal and the internal and an inte

Feedback Controls Spred of Low-Price Electronic Drive A new bas of electronic relyabile speed down unit a tabaseter leef





Titelies, Inc.



a giant stride toward forging perfection

With the metalliction of the most modern, largest forgony equipment in the world boday, we have made a great advance toward larguay perfection. These new declarates \$0,000 most dawn larguages, marrow recess and the moder determed lattices attractions.

(XXII) pound drep hazzamen, nontree present and the newly designed labition absorphero controlled turnacies—enable us to supply users with longings of a quality never before equalited . . . close to folerance and various period. Secure of the improved "as larged" lanck, machineng has been reduced to a minimum, as many cases obtained

You the best in 'US . . . forgings made to e new high standard of quality . . . e standard that in "years should." Your segurine and requests for quotation will receive immedstration and delibers where will be seen received.

KROPP



heck agest in hold speed within doneral setting, arth for less than \$200, complete with motor. Both one-quester and our half specicio are revolution with chosen of either L,500 epos, or \$,000 epos as has motor.

combant temper over a \$8 it op Culp a surreviewer is meen place may part, the make respires, operators and the fully occupated within a maassembly by means of a hi-

Sens-Tak Product Co. Brc., 1086 Gotte Rd., Herekense, N. J.

ALSO ON THE MARKET

system coupling, control early assume the form now in field flow and made on two wheel control for manual independent with the control for manual independent and force in \$5000 pm, deliver 3 gas at 1,200 pm, or montants on the pressure to \$5000 pm, deliver 3 gas at 1,200 pm, or montants on \$4000 pm, deliver 3 gas at 1,200 pm, or montants on \$4000 pm, deliver 3 gas and provide new II I hybridate hocopower—badeo Dermon, New York das Bade Co. 1170 it. Nine Mile Rd, Hend Park, Nine Parker and delivers to control unant

Alon soldings, a positive stage Alon soldings, a sugaritorizative translates driven by an electronic gas ease. The translates desire for an face coldes beneath the pool of mallen soldies and wetting is completed before



notes. User weight 50 th and green to operate from to-cycle 115 s. coace Breich passes 100-1 s. - Alon better ments, 20-21 Wagners Bd., Fox Laws, N. J.

Redemand circuit going into all

clers is stated to recent units about few times. permits use of angle and infactors collected in a time—Melton Instrume

ATION WITE Private 21, 25

1. Engineering 2. Development 3. Production



been engaged in the design, development and monufacture of aircraft and engine component. Our experienced men and axcellent facilities are ready to handle any or all of the steps necessary to a quick and efficitiest solution to YOUR individual problems.

TAILPIPE BELLOWS

One of the types of gr turbine high temperatus flowlife connections on a state of Set.







Minke

LABORATORY

PROBLEM LABORATORS

FINANCIAL

Funds Missing Bet in Aviation? Investment trusts generally have steered clear of sirling and aircraft stocks, lost chance to ride rising market.

Accepted these bear and were one is market value of about \$6 million. arrest a cost of around 54 methon speculant avarion test fund. No

+Aiscult portido Referring by 15000 Greet 5000 C of recenter. This company with 1951

Agent (\$1.5 willers, express and



BRIDGEPORT ALUMINUM EXTRUSIONS





Budgerest

BRIDGEPORT ALUMINUM

NEW DATE

100,000 Shares ELECTRONIC SPECIALTY CO.

Capital Stock Per Trim & Il surphers

Sheers Corporation is a whally owned

Price \$3.00 per Share

ing Clerador may be obtained from the in States in which the anticognosi-as almost an arterior and in which make may legally be distributed. D. A. LOMISNEY & CO. 39 Broncheav, New York 6, N. Y.

THE WORLD'S LARGEST PRODUCER OF READY . TO . INSTALL POWER PACKAGES FOR AIRPLANES INVITES YOU TO ENJOY YOUR WORK AND YOUR LIFE IN Deaths, 150,000 North Assessment Av.

beautiful SOUTHERN CÁLIFORNIA

We believe we can offer you an opportunity to improve your position at the besiness world - and suprove your way of life here as Robe Aircraft Corporation in beauriful temperate excising Sambers California. To strengthen our personnel in various departments, Rohr has a real opportunity for you if you are skilled as an -ENSINEER (Aircreft Design or Structures) IN A PIXTURE BUILDER TOOL PLANNER TOOL DESIGNER

Mr. Ned Ballin, January Capacines' 13

decreaing relactivity is accentaited by *Group Securities-The only other re

International consucts MIT's those Mand the Booth-At a man one

reficied link of understanding by my substituted copied-have no cary on-

AVEATRON WEEK, February 29, 1955

-Selle Albehal



with AC AIRCRAFT SPARK



Preved In use by our Aread Ferres every type of U. S. politary place is

Proved in use by Commercial Airlines with AC Seath Plans, every report mile-







Avenue asperts rate these features freeze



ENGINEERS WORK ON NEW YORK'S PLAYGROUND

Flight Too Engineers
 Vitration & Flatter Engineers



The Turbulent Terminal

If we made control one neight he called one of evertext's become bend

More work should be done in order to evaluate the problem fully:

* B-67 Backwook-On the practical sale of the evaluation indges was a mount. Study executately have been trail by others, with calcinotable the

occurrey.

Of course, succe these C&A pilots do not recrear remagh, raceay for the

enums branch furth in this missay. Company from genters as less

Harrison watches the conters' caloriest



givents loss exchanges history more dependable, more durable!

If you have a cooling problem, look to Harrison for the snawer! NAMES OF TAXABLE PARTIES AND SOUTH A

The sky's the light for the "wheltherly"! Every day ther to flour. faster . . . further . . . with hegger payloads? And Hormon ad persons efficiency. What's more, Harrison of coolers are





ENGINEERS: Westinghouse AIR ARM OFFERS CREATIVE CAREERS!

creative opportunities for experienced engineers. ofer unusual engineering opportunities, as well as nature of the suspensents and the qualifications of

- AUTOPILOT OCYCLOPMENT · FIRE CONTROL SYSTEMS O BACKE SYSTEMS
- @ COMPLITERS
- A SYSTEMS ANALYSIS · DECIRONIC CIRCUITS

OPPORTUNITIES AND ADVANTAGES

WCEKERO ADMELY-COST SHART

WRITE TOGAY FOR CONFIGENTIAL INTERVIEWS

all analytical especiments. E M Swides, Jr.
Employees September September September September September Statember Song.

REWARDING NEW CAREER

OPPORTUNITIES streets a hadre or the toda, we are now place sing in expect 1501 he that not tills of but at most companies—whether had nowice presen-DESIGNERS

me : ALLUNGISTS - will service from the service of service from the service of service and VIERATION ENGINEERS

Flows and simplest reason in certification as the A / Antibor as UNITED A RECEAST COMP



Ryan Needs:

PHATS

AVIATION WEEK February 21, 1955



ANNATION WELL February 25, 192

GOOD ENGINEERS GO with GOODYFAR AIRCRAFT

SEARCHLIGHT SECTION

progress. Experienced engineers . . . man with shillty and Impointtion . . . do ten work for Goodyear. Positions are open to qualified physicists and electronic,

Police Techniques

Servemedianism Antenna Deriga Sand a sissemi of your modifications or

remost englishing C. G. Jones. Solony Personnel Department

GOODYFAR AIRCRAFT CORPORATION 1210 Morrillos Bood Aires 15, Ohio

A view ... AIRCRAFT EQUIPMENT

MILLINE OFFICETUNITY OFFICE

POSITIONS WANTED Fines measures to ends for their explanation placement of high temperature of generally carlo

, to the future

engineers who have a degree and one to ten ing Eurategment Confer beginning yours espensed in . . . designation of the second . . . Altitude angine test cell and/or wind Dense of clustelant sever distribution laids. As as excites of AEO. No. Oligital and untiling computers solving Balley, Ar. Sea 163, Tallohome,

APPLICATION SALES ENGINEER 1735 West Flenece Avenue. Les Angeles 47. Cabilerais

NEW YORK REPRESENTATION Accept and printed profests Asserts and rainted profests type port hance reposerbalis for second Wood opposite finish the large bear to be a sea of the large bear

DEE AVAILABLE Associates, Inc. HONEY BEE Mode Type Cortilates eas Print 515 (Sti bloom) Street See Print 7 Celf

THE PERSON NAMED IN COLUMN

Largest which is the C. A. of new root and observed roughest provided a committee and observed roots. From Sale 30 realistics, committee of the control of the control, con-

THE PART OF STREET

RCA

ANNOUNCES THE OPENING OF A NEW SYSTEMS ENGINEERING CENTER

IN THE **BOSTON AREA**

NOW. BCA carrends the Systems Development whose of its Agr. Three systems will grow out of BCA's

Professional ability to create and englyse

... YOU MAY QUALIFY and financial advancement, madern benefits for you and your family, liberal trailing refunds for advanced shade

PERSONAL INTERVIEW WITH RCA ENGINEERING MANAGEMENT ARRANGED IN YOUR CITY

Employment Museuper, Orgit. 8-25 30 Rechafulin: Plezz, New York 20, M. Y.

PADIO CORPORATION OF AMERICA INCOMPRENE PRODUCTS BOYMON



DIAL REFINISHING DIAL REPINISHING standing often from the John Standing of the S to the Money Stat Co

DISTRUMENT

SACE FRANCISCO

Injustrati Town Land Alignments

Links (NG willes Allemanic or mane) States Cores, Cart

PROPERTY AND SAFETY STATES C Dody Jey, Beday in Folian to

PROPERTY HARBIETTOWN

DOMESTIC AND DESISTRED

services, of resonable and, through this special services sections.

Name of Street

A BRILLIANT FUTURE ... CUSTOM INSTALLATIONS OF Breedin Minute Scotlag, was must contracted in the U.S. Novy's studed ASC., RENDIX., COLUMN NARCO .. ECLIFSE .. SPERRY expeeding occurren has more expertanities for senior contraction remounts Electropics Engagery, Dynamickets, Serve, Andreas, Stress Analysts, Project Coordinators, and Designers. Take time now to look

ento the connectangues which Benche can after you. Write Employment is YOUR FUTURE as promising as a HELICOPTER'S?

CALLING CARD FOR

We think the feture of the bullranter in widouble unlimited. Why not make your totage last on provide. SIKORSKY, pleaser heltropter reamafacturer,

DESIGN ENGINEERS DEVELOPMENT ENGINEERS

> to do emportont work in the forcesting and fast-moving helicopter field. Emparime military and commercial requirements are a chellenge to skilled Engineers whose chilides or experience quality from

> for these responsible positions will octor a wallrewarded career with a secure future and many hereffer for thermaless and they less they.

SIKORSKY AIRCRAFT Bridgeport 1. Consectives

SERVICES THE **INDUSTRY**

PARTS & SUPPLIES R K Brown Co STROMBERG CARBURETOR

CENETRON OF OVERRANCE Tests also available for the flag Codessions E-A PARE AND ENT DETERMINED, N. J.

IN STOCK BEADY TO SEP-

Name of Street, Square of Street,

EXECUTIVE AIRCRAFT JULY REMARKAGE STATE

Charled Advantage Bridge AVAILABLE MINE Printers 21, 2005

do VOL know this man?

Here's his domer.

Sabiect Excatme new lone rance

P.S. He may be you



Gas Turbine and Controls Engineers

Solar Aircraft Company, in sunsy Son Diego, Colifornia, has remedute measure for makind contacts. Excellent opports mitter for advergenced with a secure, amounts occurrented in

DESCRIPTION OF THE PROPERTY AND PARTY.

Bereaughte payton for qualified once to uncoult say bullete field ment desire someficial contractor

SOLAR

Send manus by John Abreel, Chengray, Sond States Burkers, Law Phys., Lett.

FLECTRONICS ENGINEERS

- TO COMPLETE OUR STAFF
- · Albona and grand car-
- a Direction finders.
- . Irin and detection equip-· Advance and economies
- · Television equipment, . Inhetenanciar assument, Seed uponly amplement in a first flad in public increased managerities in the basistical publishing first. You will find
- COURSE ME. HUNCE SIGN.





CHIEF PILOT DOUGLAS C-54-R WANTED.

. . . CASH SALE ONLY . . . Approx. 1900 hrs. on Airfrone stace O.E.

P.4 W R0000 7942 Engines -- Law Time Cargo Boss-Henry Floor

LOS ANGELES AIR SERVICE, INC.

Heatherns, Calif. Olimena 6-0411

PAUL Avenue Test

Doring respective, aperating a Lecthons Lecture and a Tule Pain studies springly decision appaintings from qualified school with home the billioning attentions quality D. D. Colone. Sent Since 1888 house to man, of white 2005 hours made for transporters on the 6300 krong meer by participation to beg-lesing as Planes Commender to Loberton Type or backer Commen Sigling Tymespeer Building To become or 650.0 In happens on the s Angleses was protess as excelled both philad and happingless of makes some or

of E wind from New York, N. Y. St. Tr. Burnsy and P. Ster. EOR SALE OF LEASE

ROFING

Already located Miland

DEAL DISSCTLY WITH OWNER

Coordinat value. Pales S'M,800

TRASSAYER COMPANY

GRUMMAN SUPER WIDGEDN

WILLIAM AVEATION COMPANY

"- The E ACQUARTA BENEMETRATOR with the surper Print by qual upon upon 1-RES STATE C POSSESSES Named and GEDRGE H. BAILEY CO. POST WAYNE IND.

THE IDEAL AIRPLANE FOR . HIGH ALTITUDE MAPPING

> the doors are Open

SEARCHLIGHT SECTION

for 75 ENGINEERS

· Stress & Weights · Motorials & Laboratory · Power Flont Design · Power Float Occuption · Hedroules & Carerels

herizon une apening in griction, including latest develouments in in-flight relating—If you wont to live in the Sunre pesitone living above, send a resume of your qualifications

Employment Manager P. C. Roy 2297

67,200 Sq. Ft. Creative Engineers Sale er leng-term lease

Opportunities at Thieblat Aircraft BISEARCH and DEVELOPMENT in Design of Allowith Systems and economic including Probably Probable

BEAL OPPORTSHITY in a programba expending organ-cation which has prove in 4 years in number 200 ampleyers. Contents breaks include group heap-teriation and insurance print, etc. Issue, 2 weeks

PLEASANT LIVING in the suburban Westington, D. C. obermanny of Safeman, Maryland. Reside available frozen and of fire spheric system. Advanced shado contents in 5 leaders included in the content in 5 leaders. eyest engineers

Recently ricellar and interest expense is publish excitored

*20ta...

ΓA@ THIERLOT AIRCRAFT CO., INC.

4926 HAMPBEN LAND MASHINGTON 14, B. C.



MILLER HELICOPTER Made: 22 125 with Agreement Sprong East Creat Artistics Corporation

rubace. 20 but mass. Documes here

P. C. Den 25, Street, Par.

PV-1 LOCKHEED

trad on Manger Airport, West Taxaber,

LOCKHEED PV-1 Spinister Bally Projected Industria Cooker 19th 1993 1973 mile tomore P. C. Ern 63, Appeal Street,

PERCURITY AIRCRAFT

STATE AND STREET, STATE

GOODYEAR AIRCRAFT CORPORATION NEEDS HELICOPTER ENGINEERS Man with at least five years engineering experience in the various branches of the rotary wing field are needed at once for expansion of a helicopter development program now underway.

Outstanding apportunities for expelified men. Send Your Resume or Request Application to C G IONOS MANAGER GOODYFAR AIRCRAFT CORPORATION

AIRPLANES WANTED Need to Receive Services, life 100%, 170%, Acre Commission, Twin Street, 170%, See Commission, Swin Street, Will live Smiles, 40. Vest Aircraft Co.'s Skyranch

ATRON IS ONTO We Bey OC-3 and C-47 REMARKT WERHER, INC.

C-M CONTRO COMMANDO AUGUST Floor exhalt ESQLERRY FIRST AVENCE S. O. See 171 VERALE, INC.

100 to 10

The Field of Research offers Satiskuina CAREERS

wante H. Merkerly Sc.

CAA APPROVED REPAIR STATION...

AJECRAFT BADIO AND INSTRUMENTS

Dealers for Lear, Collins & Leader Body and

SOUTHERN CALIFORNIA AIRCRAFT

CORPORATION

We make on it the ma-

IND JUST OF A GEOWING COM

PRESCRIPTION MER STATE

PIG SALARIS - and INCIL

TITLE CHICAGO

ACCRAMICAL ENGINEERING ANTIDOXA BELIEF

SHARE DACTORES Difference in product comme Street (ACTESHOE) Recorded Meson Strape September

PRY-DA AND LUXURY TYPE "LANDSEAURE" PERSONA AMPRICE DEALER * Socializina in PBY-SA -- C-47 -- DC-3 --

8-25 - Lodoster - Reschooft * Fally essisted to do Maintenance and

. Ultra Madera lateriors and Conveniens

h..... SUPER-92 Fuel Flow Transmitters 9054, 9062 ead 9300 ers: 200 mph for year DC-3 New and CAA combad. SPACES TO A PROPERTY AND ADDRESS OF INSTRUMENT ASSOCIATES

NAME AND POST OFFICE ADDRESS OF THE PARTY OF

sold from vive Property Parts Contactor CALL OF THE RELATION OF THE PARTY AND THE PA P. O. See 1951 Sender Secretary

AIRCRAFT

Street Tree Spring Pring Tells

AIR TRANSPORT

Examiner Wants Nonsked Group Grounded

- · Board official says North American combine violates Civil Aeronoutics Act and CAB economic resulutions.
- · Report charges the four-airline operation deliberately posed as a single carrier offering scheduled service.

Fighround Blat and Lowin wars

In dealers with the compliance one. * Persons Defuned-le the curter *Studes D. Woss, James Fuckgrand,

►Leaf Majorarias-Nurth Agencia robbs that the severa offered use of Court of Appeals to matriot CAB to American operation were found to be as P Revola Reportation. The appeal con-

'Radical Penalty'

The current's recommendation are if rounds have of "the Queen in "Alice aprechage 'Of with their healt' or "The sub-currectual querion is the colol in cont. North America will have so stone nationed in orders

The North Assertion combine

lagon, a fifth courpear. Unit Export his been added. These are the fee-

over agoust and laster there to the

AVIATION WITE ROSSY 21, 1950

Placer Officestally combant otto, she will come deal releasables.

ren, and given stoppin receives .

servebale found that the affected overcoated is ledged in the cornecdonts



Dual Insignia on DC-6B

IAL Future for his sains in 2nd year.

> · But carrier needs more trans Purple operation, is expendent its

In an extresion of its Objects syste. IAL is igned-town boto-Hear Keng In addition, the spine * Healthy Traffic-With no program for new compount below 1997, 188.

sold and the nelver bears the will be * Firegal Publish-IAL: bigger

*It pad previous pages for its DC-

totaked 55 explore, 55 explore from

Decisions in Pacific

Cases Become Final



+3 met tem est at metted wet Rothschild Nominated to United Air Lance, while troping To Succeed Murray

The final orders uncorporate the under his direction. His town of office

Air Traffic Survey

IT S recognized as today pressure. created by dementic midines had your. react patterns, and he new no stoom

CAB Lists Causes In Three Accidents

Reports on these sidest sendents on · National Audinor A Lockbook Lode star cough haded of Marga Interes * Trans World Airbrey A Martin 40-4 for partially infinited. Free win to otal u se sendenti utushoo of So lunders our during the landward heface the select system became effective a Court Lakes, Addison, An Arr Posts rency leading of the resease at Gore Blibers Asport on Innc 15, 1915.

Board Splits on Feeder Plan to Improve Route P Decease Defensed-The foremen boad split 2.2, and the amplication laket for year of a majority. Marakets

stanced by for Probable come was

manuscript today it a manuscript cost

This mentible tendence on the

Employes Take Over Lake Central Airlines Take Cretisl Airborn this worth Persont Plan-Tip 162 stockholdor

Senate Group Revising Local Airline Hearings number of Scs. Mke Marrows, will

In addition to personness certifica-

flowle carnot and "new cotys" rate at . Aithnight. Declarate he is interested

ATA Boosts Airport Contributions to Cities **CAA Wants Higher** Air Certificate Fees

. Promise for federal control over the a based to an assignme. Bills about *Asthorac session is reconfectured.

. Clearly CAN's nothingly to counte a . Estend the authority, which will ex-· Fateral CAA's mendiction to reminic

* Ro-define "nerman" in order to proved

Airport Runway Aid



HAL Gets 25th DC-7

CAB ORDERS

(Fib. 34) Free Tips Lee to compton to po-

Interconnect agreement between Borniff

SHORTLINES

Marriero Authors adds a through

ADVERTISERS IN THIS ISSUE

A SUCCESSION OF THE PARTY NAMED IN of the state of the state of William Strong Strong Control WHEN YOU PARTY TO THE PROPERTY OF AND PARTY OF TAXABLE PARTY OF

ANTIQUE STREET, SHE THE PERSON NAMED IN THE PARTY OF THE P NAME OF TAXABLE PARTY. Charles of Street, Street, or

AND BY SEE SHEETHAND POR COMPANY IN DO SELL STREET, COMPANY ASSESSMENT ASSESSMEN CORP. COLUMN A BANK & Terr Line.

Total aprice pear Participation of the last of t

BOWERS BATTERIES AVIATION WITE, February 21, 1995.

AVIATION WEIK-PERSONALLY OF 1660 AND ARTHUR ANALYSIS AND ANALYSIS AND POTENT ATTENDED TO THE all time of terms one ANT WATER BY BEET IN. STATE OF THE PARTY OF THE PARTY

ordered a grant of water to be become a The Shandard Charles and I have within 1900a 12 Found Steer and Published St. Company

When you're FIRST in

Transport Helicontess you've got to be Good!

PRODUCEDO have an interest the doors got and abstract Supress Not only from PIGGOKS been first on size and

> have openings for a FREIPWENT DESIGN STUFF ENGINEER

> > Output Improve.
> > District I Prove Plant Initialistics
> > A Secretary & Secretary.

Send assume of your employment background to Frank Can Employment Manager



Motor, Permitted power Peut

Our Engine Development Problem

A longuage jet august development program is besit. been too man engine development projects that have

lack of sustable power will agree with Wilson treperces' dollars invested in jet engine development

Post & Wheney Accust have avoided major develop-International Race

In the development even interestative competition . Eniture has developed there turboiets in the 10,000

was powering the MSG-15 in constant over Keena when this country for production to \$11 holes in the U.S. designs and development skill to believe their own

Witten's Defense Department trans changed with ar-

two agenden with practical experience in the field and try Bopty Lewis, Assistant Secretary of USAF for

of 45 years with Westerghouse Electric Corp. who is now Assistant Secretary of Defease for Applications

Competition Needed

There we mare notedly of the post that should be reverse. However, it is districture to note that its restreasury Posteron obsesser on this score there was restarts in the aircust industry. Reduction of correcrenews with the mobient of aponts cause develop

Dangerous Decisions We can still remember the pre-war Array Air Corns What would be the firture of the USAF turbopropits score research and development dullars on faith in Azething that well cush the symmetre ment of the

> -Robert Hots AVAIDDE WITE Friedry 25, 1955

400 Cycle Aircraft Relays for 120°C Operation







LEACH RELAY DIVISION

2112 Apriles Blod., Les Anjarles S. Californes Dated Office and Representatives in Principal Cities of S. S. and Consider

